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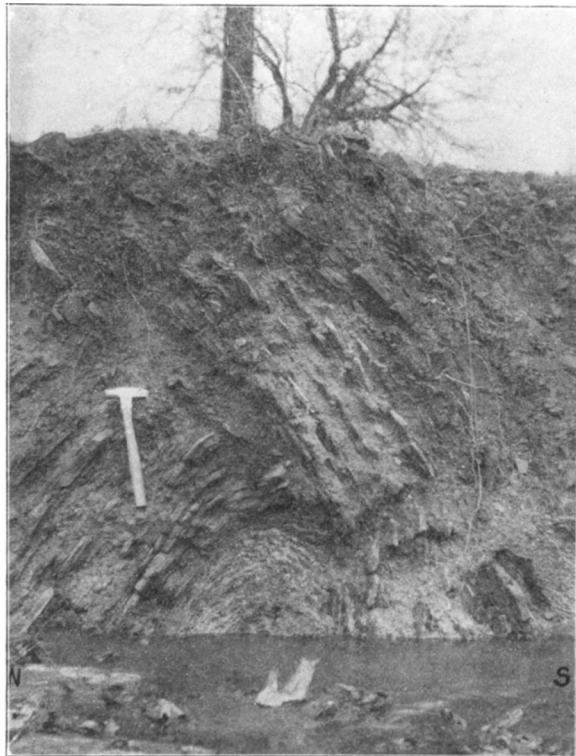
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## ILLUSTRATED NOTE ON A MINIATURE OVERTHRUST FAULT AND ANTICLINE

THE figure below represents a miniature anticline passing into a reversed fault above. It is on the Ozark-St. Paul road, on the east side of the road, one mile north of the town of Ozark, Ark. The rocks are of the Coal-measure series, and consist of shale interbedded with thin layers of sandstone. The strike of the fold is about east and west, it being one of the series of feeble folds on the northern border of the Ouachita folded area and near the southern base of the Boston Mountains.

The length of that part of the flexure which is visible, and which at the time the photograph was taken had recently been freshly exposed in working the road, is ten feet, and the height five feet.

Aside from the interest which attaches to this as an example



of an overthrust fault passing into an anticline below, it bears strong evidence of very recent tangential pressure having been brought to bear upon the rocks of the region; for it is inconceivable that so small a flexure should break and produce a fault with many feet of superimposed rock to be broken through. The point is sufficiently elevated to suffer from slight erosion, and as the rock is mainly shale and easily eroded, the very few feet that have been removed since the faulting occurred could not represent much time, as the geologist reckons time.

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